



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: April 2, 2019

Effective Date: April 2, 2019

Expiration Date: April 2, 2024

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 23-00001

Federal Tax Id - Plant Code: 46-4151222-12

Owner Information

Name: SUNOCO LLC
Mailing Address: 100 GREEN ST
MARCUS HOOK, PA 19061-4800

Plant Information

Plant: SUNOCO LLC / MH RACE FUELS
Location: 23 Delaware County 23825 Marcus Hook Borough
SIC Code: 2911 Manufacturing - Petroleum Refining

Responsible Official

Name: DAN GALLAGHER
Title: SR MANUFACTURING MGR
Phone: (610) 859 - 1277

Permit Contact Person

Name: PATRICK CORNELL
Title: SR ENV CONSULTANT
Phone: (610) 859 - 6473

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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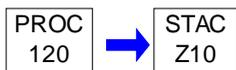
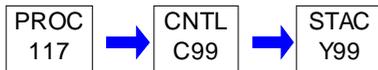
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
117	CAM II LOADING RACK	24,000.000 Gal/HR	CAM II GASOLINE
119	9TH & GREEN LOADING RACK	N/A	GASOLINE LOADING
120	TANK 101 INT FLOAT 4.75 MBBL	N/A	PETRO. LIQUIDS
124	TANK 169 INT FLOAT 5 MBBL	N/A	PETROLEUM LIQUIDS
205	TANK 254 INT FLOAT 12.8 MBBL	N/A	PETRO. LIQUIDS
206	TANK 269 INT FLOAT 13.0 MBBL	N/A	PETRO. LIQUIDS
218	TANK 166 INT FLOAT 4.75 MBBL	N/A	PETRO. LIQUIDS
220	TANK 255 INT FLOAT 15.0 MBBL	N/A	PETRO. LIQUIDS
222	TANK 167 INT FLOAT 10.0 MBBL	N/A	PETRO. LIQUIDS
300	MISCELLANEOUS TANKS	N/A	GASOLINE
349	TANK F-23 INT FLOAT 1.2 MBBL	N/A	PETRO. LIQUIDS
350	TANK F3 CONE ROOF 0.71 MBBL	N/A	PETRO. LIQUIDS
351	TANK F4 CONE ROOF 0.48 MBBL	N/A	PETRO. LIQUIDS
402	BLIND CHANGING	N/A	PETRO. LIQUIDS
800	STATE FUGITIVE EQUIPMENT	N/A	REFINERY FUGITIVES
T006	NSPS KB INT FLOAT TANKS		
C119	JOHN ZINK CARBON ADSORBER		
C99	MC GILL CARBON ADSORBER		
S119	9TH & GREEN LOADING RACK STACK		
Y349	TANK F-23 FUG		
Y90	255 TANK FUG		
Y97	BLIND CHANGING FUG		
Y99	LOADING RACK FUG		
Z10	101 TANK FUG		
Z205	TANK 254 FUG		
Z206	TANK 269 FUG		
Z222	TANK 167 FUG		
Z300	MISC MACT GROUP 2 FUGITIVES		
Z800	STATE FUGITIVES		

PERMIT MAPS

PERMIT MAPS

PROC 124 → CNTL C99 → STAC Y99

PROC 205 → STAC Z205

PROC 206 → STAC Z206

PROC 218 → CNTL C99 → STAC Y99

PROC 220 → STAC Y90

PROC 222 → STAC Z222

PROC 300 → STAC Z300

PROC 349 → STAC Y349

PROC 350 → CNTL C99 → STAC Y99

PROC 351 → CNTL C99 → STAC Y99

PROC 402 → STAC Y97

PROC 800 → STAC Z800

**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

This permit does not convey property rights of any sort, or any exclusive privileges.

#004 [25 Pa. Code § 127.446(a) and (c)]**Permit Expiration**

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

**SECTION B. General Title V Requirements**

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]**Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or

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to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#014 [25 Pa. Code § 127.541]**Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with

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25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

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(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.

**SECTION B. General Title V Requirements**

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department,

**SECTION B. General Title V Requirements**

the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

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(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #022 of this section.

#027 [25 Pa. Code § 127.3]**Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)

**SECTION B. General Title V Requirements**

- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

**SECTION B. General Title V Requirements**

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee may not permit the presence in the outdoor atmosphere of any form of contaminant, including, but not limited to, the discharging from stacks, chimneys, openings, buildings, structures, open fires, vehicles, processes or any other source of any smoke, soot, fly ash, dust, cinders, dirt, noxious or obnoxious acids, fumes, oxides, gases, vapors, odors, toxic, hazardous or radioactive substances, waste or other matter in a place, manner or concentration inimical or which may be inimical to public health, safety or welfare or which is or may be injurious to human, plant or animal life or to property or which unreasonably interferes with the comfortable enjoyment of life or property.

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

The permittee may not permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations (see 25 PA Code Section 129.14 for restrictions on open burning).
- (g) Sources, and classes of sources, other than those identified in (a) - (f) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1) - (9) (relating to prohibition of certain fugitive emissions) if the emissions are visible at the point the emissions pass outside the property.

004 [25 Pa. Code §123.31]**Limitations**

The permittee may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property boundary on which the source(s) is being operated.

005 [25 Pa. Code §123.41]**Limitations**

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour; or
- (b) equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]**Exceptions**

The limitations of Condition #005, of this Section, shall not apply to a visible emission in either of the following instances:

- (a) when the presence of uncombined water is the only reason for failure to meet the limitations; or
- (b) when the emission results from the sources specified in Condition #002, of this Section.

007 [25 Pa. Code §129.14]**Open burning operations**

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning

**SECTION C. Site Level Requirements**

results from:

- (a) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
- (b) any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department; or
- (c) a fire set for the prevention and control of disease or pests, when approved by the Department.

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack testing manual has been revised since approval, a new protocol must be submitted for approval.
- (b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (c) The stack test shall, at a minimum, test for the pollutants required by each source]. Tests shall be conducted in accordance with the provisions of EPA Test Methods or other Department approved methodology and 25 Pa. Code Chapter 139.
- (d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A, and G, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (a) a device approved by the Department and maintained to provide accurate opacity measurements; or

**SECTION C. Site Level Requirements**

(b) observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, or additional information previously reported to the Department, the permittee shall be required to conduct monitoring and recordkeeping of parameters and at a frequency deemed necessary by the Department to determine the actual emission rate.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall monitor the facility, once per operating day, for the following:

- (1) odors which may be objectionable (as per 25 Pa. Code § 123.31);
- (2) visible emissions (as per 25 Pa. Code §§ 123.41 and 123.42).; and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, which may cause annoyance or discomfort to the public noticed at the site property boundaries that are caused or may be caused by operations at the site, as well as fugitive particulate emissions that originated on-site and cross the property line, and visible emissions that originated on site shall:

- (1) be investigated;
- (2) be reported to the facility management, or individual(s) designated by the permittee;
- (3) have appropriate corrective action taken (for emissions that originate on-site); and
- (4) be recorded in a permanent written log.

IV. RECORDKEEPING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records for all De Minimis source categories in order to demonstrate compliance with the De Minimis limits for VOC of three pounds per hour, 15 pounds per day and 2.7 tons per year for each category.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall record all spills/releases of petroleum liquids, of the following amounts, in a written file:

- (1) A release of more than 25 gallons to a containment area, structure or facility around an aboveground storage tank;
- (2) A release of more than 5 gallons to a synthetic surface, such as asphalt or concrete;
- (3) A release of more than one gallon to surface soils.

(b) Information to be recorded, at a minimum, shall be the following:

- (1) The quantity of substance involved;
- (2) The date and time the release occurred;
- (3) Interim remedial action planned, initiated, and/or completed.

(c) The permittee shall keep these records at the site location for a period of five (5) years and shall make them available to the Department upon request

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records on all air pollution control system performance evaluations and records of calibration checks, adjustments, and maintenance performed on all sources identified in this permit.

**SECTION C. Site Level Requirements****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep a record of all stack tests that are required by this operating permit.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to the Department;
- (b) de minimis increases with notification to the Department, via letter;
- (c) increases resulting from a Request for Determination (RFD) to the Department; and
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

A copy of all manufacturer's specifications shall be kept for all CEMs that are required by this operating permit.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall maintain a daily record of all reports of fugitive emissions (except LDAR), visible emissions, and odor monitoring, including those that deviate from the terms and conditions of this permit. The report(s) shall contain, at a minimum, the following items:

- (1) date, time, and location of the incident(s);
- (2) to the extent known, identification of the primary cause of the event; and
- (3) a description of any response action taken, if necessary to address the situation.

(b) All records generated shall be maintained and kept at the facility for a period of not less than 5 years and shall be made available to the Department upon written or verbal request at a reasonable time.

020 [25 Pa. Code §129.56]**Storage tanks greater than 40,000 gallons capacity containing VOCs**

(a) For storage tanks with a capacity greater than 40,000 gallons storing VOCs with a vapor pressure greater than 1.5 psia under actual storage conditions shall, on a monthly basis, maintain records of the following information for each storage tank:

- (1) The name of the petroleum liquid being stored in the tank.
- (2) The period of time over which the liquid was stored.
- (3) The maximum true vapor pressure of the particular liquid stored during the term of its storage.

(b) For volatile organic compounds whose storage temperature is governed by ambient weather conditions, the vapor pressure under actual storage conditions shall be determined using a temperature which is representative of the average storage temperature of the hottest month of the year in which such storage takes place.

021 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.154]**Subpart F--Recycling and Emissions Reduction Prohibitions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

For appliances normally containing fifty (50) or more pounds of refrigerant, the date and type of service and the quantity of refrigerant added shall be recorded. These records shall be kept for a minimum of five (5) years.

V. REPORTING REQUIREMENTS.**# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit the following reports:

**SECTION C. Site Level Requirements**

(a) an annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under Condition # 024, Section B, of this permit. The annual certificate of compliance shall be submitted to the Department in paper form, and EPA Region III in electronic form at the following email address:
R3_APD_Permits@epa.gov

(b) a semi-annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the same year. Note: The annual compliance certification fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall notify the Department as soon as practicable of any release of gasoline or any other volatile organic compound that is not under control, not completely contained and not completely recovered within twenty-four (24) hours of its occurrence at (484) 250-5920. A release is defined as, but is not limited to a release of more than 25 gallons to an above ground surface.

(b) The permittee shall describe, to the extent information is available:

- (1) the quantity of substance involved;
- (2) date and time the release occurred;
- (3) actual or potential danger to public health; and
- (4) interim remedial actions planned, initiated, or completed.

024 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

(a) The permittee shall, within two (2) hours, of becoming knowledgeable, of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Section A (including facility fugitives), of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or regulations contained in 25 Pa. Code Article III that are not measured by a Department certified continuous monitor. Reports of excess emissions from these continuous monitors are also reported in conformance with 40 CFR §§ 60.7(c) and 60.105(c)(3).

(b) Malfunction(s) which occur at this Title V facility, that pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written summary in the form of a letter or facsimile that is signed by authorized refinery personnel knowledgeable of the incident shall be submitted to the Department within two (2) business days, with a detailed report to be submitted as soon as practicable, but no later than thirty (30) calendar days, following the notification of the incident, and shall describe the following:

- (1) the malfunction(s);
- (2) the emissions [type of contaminant(s); approximate amount (if known)];
- (3) the duration; and
- (4) any corrective action taken.

025 [25 Pa. Code §135.21]**Emission statements**

The permittee shall submit by March 1, of each year, an annual emission statement for the preceding calendar year. Additionally, a description of the method used to calculate the emissions and the time period over which the calculation is based shall be included. The statement shall contain a certification by a responsible official that the information contained in the statement is true and accurate.

026 [25 Pa. Code §135.3]**Reporting**

(a) The permittee shall submit by March 1, of each year, an Air Information Management System (AIMS) inventory report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which

**SECTION C. Site Level Requirements**

were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report within sixty (60) days after receiving the notification, or by March 1 of the year following the year for which the report is required, whichever is later.

(c) The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

**# 027 [40 CFR Part 61 NESHAPs §40 CFR 61.145]
Subpart M--National Emission Standard for Asbestos
Standard for demolition and renovation.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall provide the Department with notification prior to any demolition/renovation in accordance with the provisions of 40 CFR 61, Subpart M.

VI. WORK PRACTICE REQUIREMENTS.

**# 028 [25 Pa. Code §123.1]
Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from sources listed under condition #002 of this section. These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

**# 029 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall ensure that the sources and air pollution control devices, listed in Sections A and G, of this permit, are operated and maintained in a manner consistent with good engineering and maintenance practices, competent air pollution control practices, and in accordance with manufacturers specifications.

**# 030 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The permittee shall reduce emissions of Class I and Class II refrigerants during the service, maintenance, repair, and disposal of equipment in accordance with the requirements of 40 CFR 82, Subpart F, Recycling and Emissions Reduction.

**# 031 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee shall immediately implement measures to reduce the air contaminant emissions to within applicable limitations if at any time the operation of the source(s) identified in Section A, of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

If necessary, the permittee shall file an application for the installation of an air cleaning device(s).

**SECTION C. Site Level Requirements****# 032 [40 CFR Part 82 Protection of Stratospheric Ozone §40 CFR 82.154]****Subpart F--Recycling and Emissions Reduction****Prohibitions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

Any person operating appliances for maintenance, service, or repair, will use a certified recovery system. Any person who performs maintenance or who services or repairs appliances and who dispose of appliances, except for small appliances, room air conditioners, and motor vehicle air conditioners, will be certified by an approved technician certified program.

Note: Appliance means any device which contains and uses a class I substance or class II substances as a refrigerant and which is used for household or commercial purposes, including air conditioners, refrigerators, chillers, or freezers. Small appliance means any of the following products that are fully manufactured, charged, and hermetically sealed in a factory with five (5) pounds of less of refrigerant: refrigerators and freezers designed for home use, room air conditioners (including window units and packaged terminal air conditioners), packaged terminal heat pumps, dehumidifiers, under-the-counter ice makers, vending machines, and drinking water coolers.

VII. ADDITIONAL REQUIREMENTS.**# 033 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §127.441(c) & Chapter 139; §§ 114(a)(3), 504(b) of the CAA Sampling, Testing and Monitoring Procedures]

The permittee shall perform the emissions monitoring analysis procedures or test methods required under an applicable requirement including procedures and methods under Sections 114(a)(3) (42 U.S.C.A. §§ 7414 (a)(3)) or 504(b) (42 U.S.C.A. §§ 7661c(b)) of the Clean Air Act.

Unless otherwise required by this permit, the permittee shall comply with applicable monitoring, quality assurance, recordkeeping and reporting requirements of the Air Pollution Control Act, 25 Pa. Code, Subpart C, Article III (relating to air resources), including Chapter 139 (relating to sampling and testing). The permittee shall also comply with applicable requirements related to monitoring, quality assurance, reporting and recordkeeping required by the Clean Air Act (including applicable monitoring requirements of 40 CFR 60, Subpart Db), including §§ 114(a)(3) and 504(b) and regulations adopted thereunder, unless otherwise required by this permit.

034 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6]**Subpart A--General Provisions****Compliance with standards and maintenance requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. This plan shall be developed by the permittee by the source's compliance date for that relevant standard. The plan shall be incorporated by reference into the source's Title V permit.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

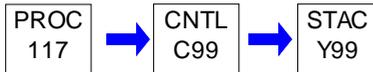
**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: CAM II LOADING RACK

Source Capacity/Throughput: 24,000.000 Gal/HR

CAM II GASOLINE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Emissions to the atmosphere from the vapor collection and processing systems due to the loading of gasoline cargo tanks shall not exceed 10 milligrams of total organic compounds per liter of gasoline loaded.

Compliance with the above emission limit shall be demonstrated on the gasoline loading rack carbon adsorber CEMS outlet parameter limit of 0.53% VOC as propane.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 129.59(a).]

II. TESTING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Nitrogen pressure decay field test. For those cargo tanks with manifolded product lines, this test procedure shall be conducted on each compartment.

(a) Record the cargo tank capacity. Upon completion of the loading operation, record the total volume loaded. Seal the cargo tank vapor collection system at the vapor coupler. The sealing apparatus shall have a pressure tap. Open the internal vapor valve(s) of the cargo tank and record the initial headspace pressure. Reduce or increase, as necessary, the initial headspace pressure to 460 mm H₂O (18.0 in. H₂O), gauge by releasing pressure or by adding commercial grade nitrogen gas from a high pressure cylinder capable of maintaining a pressure of 2,000 psig.

(1) The cylinder shall be equipped with a compatible two-stage regulator with a relief valve and a flow control metering valve. The flow rate of the nitrogen shall be no less than 2 cfm. The maximum allowable time to pressurize cargo tanks with headspace volumes of 1,000 gallons or less to the appropriate pressure is 4 minutes. For cargo tanks with a headspace of greater than 1,000 gallons, use as a maximum allowable time to pressurize 4 minutes or the result from the equation below, whichever is greater.

$$T = V_h \times 0.004$$

where:

T = maximum allowable time to pressurize the cargo tank, min;

V_h = cargo tank headspace volume during testing, gal.

(b) It is recommended that after the cargo tank headspace pressure reaches approximately 460 mm H₂O (18 in. H₂O), gauge, a fine adjust valve be used to adjust the headspace pressure to 460 mm H₂O (18.0 in. H₂O), gauge for the next 30 +/- 5 seconds.

(c) Reseal the cargo tank vapor collection system and record the headspace pressure after one (1) minute. The measured headspace pressure after one (1) minute shall be greater than the minimum allowable final headspace pressure (PF) as calculated from the equation located in 40 CFR § 63.425(g)(2).

(d) Conduct the internal vapor valve portion of this test by repressurizing the cargo tank headspace with nitrogen to 460 mm H₂O (18 in. H₂O), gauge. Close the internal vapor valve(s), wait for 30 +/- 5 seconds, then relieve the pressure downstream of the vapor valve in the vapor collection system to atmospheric pressure. Wait fifteen (15) seconds, then reseal the vapor collection system. Measure and record the pressure every minute for five (5) minutes. Within five (5) seconds of the

**SECTION D. Source Level Requirements**

pressure measurement at the end of five (5) minutes, open the vapor valve and record the headspace pressure as the "final pressure."

(e) If the decrease in pressure in the vapor collection system is less than at least one of the interval pressure change values in Table 3 of 40 CFR § 63.425, or if the final pressure is equal to or greater than 20 percent of the one (1) minute final headspace pressure determined in the test in 40 CFR § 63.425(g)(3), then the cargo tank is considered to be a vapor-tight gasoline cargo tank.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Annual certification test. The annual certification test for gasoline cargo tanks shall consist of the following test methods and procedures:

(a) Method 27, appendix A, 40 CFR part 60. Conduct the test using a time period (t) for the pressure and vacuum tests of 5 minutes. The initial pressure (Pi) for the pressure test shall be 460 mm H₂O (18 in. H₂O), gauge. The initial vacuum (Vi) for the vacuum test shall be 150 mm H₂O (6 in. H₂O), gauge. The maximum allowable pressure and vacuum changes (delta p, delta v) are as shown in the second column of Table 2 of 40 CFR § 63.425.

(b) Pressure test of the cargo tank's internal vapor valve as follows:

(1) After completing the tests under 40 CFR § 63.425(e)(l), use the procedures in Method 27 to repressurize the tank to 460 mm H₂O (18 in. H₂O), gauge. Close the tank's internal vapor valve(s), thereby isolating the vapor return line and manifold from the tank.

(2) Relieve the pressure in the vapor return line to atmospheric pressure, then reseal the line. After five (5) minutes, record the gauge pressure in the vapor return line and manifold. The maximum allowable five (5) minute pressure increase is 130 mm H₂O (5 in. H₂O).

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee may comply with (a) and (b), below, for railcar gasoline cargo tanks, provided the railcar tank meets the requirement in (c), below:

(a) comply with the requirements of 49 CFR §§ 173.31(d), 179.7, 180.509, and 180.511 for the testing of railcar gasoline cargo tanks.

(b) the leakage pressure test procedure required under 49 CFR § 180.509(j) and used to show no indication of leakage under 49 CFR § 180.511(f) shall be ASTM E 515-95 (incorporated by reference, see 40 CFR § 63.14), BS EN 1593:1999 (incorporated by reference, see 40 CFR § 63.14), or another bubble leak test procedure meeting the requirements in 49 CFR §§ 179.7, 180.505, and 180.509.

(c) the requirements in this condition may not be used for any railcar gasoline cargo tank that collects gasoline vapors from a vapor balance system permitted under or required by a Federal, State, local, or tribal agency. A vapor balance system is a piping and collection system designed to collect gasoline vapors displaced from a storage vessel, barge, or other container being loaded, and routes the displaced gasoline vapors into the railcar gasoline cargo tank from which liquid gasoline is being unloaded.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall conduct a performance test, once per permit term, on the vapor processing system according to the test methods and procedures in 40 CFR § 60.503, except a reading of 500 ppm shall be used to determine the level of leaks to be repaired under 40 CFR § 60.503(b).

(b) For each performance test conducted under (a), above, the permittee shall determine a monitored operating parameter value for the vapor processing system using the following procedure:

- (1) during the performance test, continuously record the operating parameter under 40 CFR § 63.427(a);
- (2) determine an operating parameter value based on the parameter data monitored during the performance test, supplemented by engineering assessments and the manufacturer's recommendations; and
- (3) provide for the Administrator's approval the rationale for the selected operating parameter value, and monitoring frequency and averaging time, including data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the emission standard in 40 CFR §§ 63.422(b) or 60.112b(a)(3)(ii).

(c) For performance tests performed after the initial test and once per permit term, the permittee shall document the

**SECTION D. Source Level Requirements**

reasons for any change in the operating parameter value since the previous performance test.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Continuous performance pressure decay test. The continuous performance pressure decay test shall be performed using EPA Method 27, appendix A, 40 CFR Part 60. Conduct only the positive pressure test using a time period (t) of 5 minutes. The initial pressure (Pi) shall be 460 mm H₂O (18 in. H₂O), gauge. The maximum allowable 5-minute pressure change (delta p) which shall be met at any time is shown in the third column of Table 2 of 40 CFR § 63.425(e)(1).

007 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall test the Vapor Recovery Unit for compliance with the emission limit at least 180 days prior to expiration of this permit.

III. MONITORING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate, calibrate, certify, and maintain the carbon adsorption system according to the manufacturer's specifications.

The continuous emission monitoring system shall be maintained in the exhaust air stream.

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall:

- (a) keep an up-to-date, readily accessible record of the continuous monitoring data required under 40 CFR § 63.427(a). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record; and
- (b) record and report simultaneously with the notification of compliance status required under 40 CFR § 63.9(h):
 - (1) All data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under 40 CFR § 63.425(b); and
 - (2) If the permittee requests approval to use a vapor processing system or monitor an operating parameter other than those specified in 40 CFR § 63.427(a), the permittee shall submit a description of planned reporting and recordkeeping procedures. The Administrator will specify appropriate reporting and recordkeeping requirements as part of the review of the permit application.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as follows:

- (a) annual certification testing performed under 40 CFR § 63.425(e);
- (b) continuous performance testing performed at any time at that facility under 40 CFR § 63.425(f), (g), and (h); and
- (c) the documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information:
 - (1) Name of test:
 - (i) Annual Certification Test -- Method 27 (40 CFR § 63.425(e)(1));
 - (ii) Annual Certification Test -- Internal Vapor Valve (40 CFR § 63.425(e)(2));
 - (iii) Leak Detection Test (40 CFR § 63.425(f)), Nitrogen Pressure Decay Field Test (40 CFR § 63.425(g)), or
 - (iv) Continuous Performance Pressure Decay Test (40 CFR § 63.425(h)).

**SECTION D. Source Level Requirements**

- (2) Cargo tank owner's name and address;
- (3) Cargo tank identification number;
- (4) Test location and date;
- (5) Tester name and signature;
- (6) Witnessing inspector, if any: Name, signature, and affiliation;
- (7) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing; and
- (8) Test results:
 - (i) Pressure or vacuum change, mm of water;
 - (ii) Time period of test;
 - (iii) Number of leaks found with instrument and leak definition.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.59.]

When loading is performed through means other than hatches, the loading and vapor lines must be equipped with fittings which make vapor tight connections and which will be closed when disconnected.

012 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

- (a) The permittee shall maintain records of certification testing and repairs. The records shall identify the gasoline tank truck, vapor collection system or vapor control system; the date of the test or repair; and, if applicable, the type of repair and the date of retest. The records shall be maintained in a legible, readily-available condition for 1 year after the date the testing or repair was completed.
- (b) The records of certification tests required by paragraph (1) shall contain:
 - (1) the gasoline tank truck tank serial number;
 - (2) the initial test pressure and the time of the reading;
 - (3) the final test pressure and the time of the reading;
 - (4) the initial test vacuum and the time of the reading;
 - (5) the final test vacuum and the time of the reading;
 - (6) at the top of each report page, the company name and the date and location of the tests on that page; and
 - (7) the name and title of the person conducting the test.
- (c) Copies of records and reports under this subsection shall be made available to the Department upon verbal or written request at any reasonable time. A copy of the test results for each gasoline tank shall be kept with the truck.
- (d) Gasoline tank trucks with a rated capacity of less than 4,800 gallons are exempt from the above.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit an excess emissions report to the Administrator in accordance with 40 CFR § 63.10(e)(3), whether or not a CMS is installed at the facility. The following occurrences are excess emissions events under this subpart, and the following information shall be included in the excess emissions report, as applicable:

- (a) each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under 40 CFR § 63.425(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CMS;
- (b) each instance of a nonvapor-tight gasoline cargo tank loading at the facility in which the permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained; and
- (c) each reloading of a nonvapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with 40 CFR § 63.422(c)(2).

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall include in a semi-annual report to the Administrator the loading of each gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Top loading shall not be performed through any truck hatch unless prior approval from the Department is granted.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall comply with the requirements in 40 CFR § 60.502 except for paragraphs (b), (c), and (j). For purposes of 40 CFR 63, Subpart R, the term "affected facility" used in 40 CFR § 60.502 means the loading racks that load gasoline cargo tanks at the bulk gasoline terminals subject to the provisions of 40 CFR 63, Subpart R.

(b) The permittee shall comply with 40 CFR § 60.502(e) as follows:

(1) For the purposes of 40 CFR 63, Subpart R, the term "tank truck" as used in 40 CFR § 60.502(e) means "cargo tank."

(2) 40 CFR § 60.502(e)(5) is changed to read: The permittee shall take steps assuring that the nonvapor-tight gasoline cargo tank will not be reloaded at the facility until vapor tightness documentation for that gasoline cargo tank is obtained which documents that:

(i) The gasoline cargo tank meets the applicable test requirements in 40 CFR § 63.425(e);

(ii) For each gasoline cargo tank failing the test in 40 CFR § 63.425(f) or (g) at the facility, the cargo tank either:

(A) Before repair work is performed on the cargo tank, meets the test requirements in 40 CFR § 63.425(g) or (h), or

(B) After repair work is performed on the cargo tank before or during the tests in 40 CFR § 63.425(g) or (h), subsequently passes the annual certification test described in 40 CFR § 63.425(e).

017 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

Gasoline may not be spilled or discarded in sewers or stored in open containers or handled in a manner that would result in uncontrolled evaporation to the atmosphere.

018 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

The permittee may not permit the transfer of gasoline between the tank truck or trailer and a stationary storage tank unless the following conditions are met:

(a) the vapor balance system is in good working order and is designed and operated in a manner that prevents:

(1) Gauge pressure from exceeding 18 inches of H₂O (4500 pascals) and vacuum from exceeding 6 inches of water (1500 pascals) in the gasoline tank truck;

(2) A reading equal to or greater than 100% of the lower explosive limit--LEL, measured as propane--at 1 inch from points on the perimeter of a potential leak source when measured by the method referenced in 25 Pa. Code § 139.14 (relating to emissions of volatile organic compounds) during loading or unloading operations at small gasoline storage tanks, bulk plants and bulk terminals; and

(3) Avoidable liquid leaks during loading or unloading operations at bulk terminals.

(b) a truck, vapor balance system or vapor disposal system, if applicable, that exceeds the limits in (a)(1), above, is repaired and retested within 15 days;

(c) there are no visually or audibly-detectable leaks in the tank truck's or trailer's pressure/vacuum relief valves and hatch covers, the truck tanks or storage tanks, or associated vapor and liquid lines during loading or unloading; and

(d) the pressure and vacuum relief valves on storage vessels and tank trucks or trailers are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest allowable pressure and vacuum as specified in State or local fire codes, the National Fire Prevention Association guidelines or other National consensus standards acceptable to the Department. Upon demonstration by the permittee of an underground small gasoline storage tank that the vapor balance system specified in (a), above, will achieve a 90% vapor recovery efficiency without a pressure and vacuum relief valve and that an interlock system, sufficient to ensure connection of the vapor

**SECTION D. Source Level Requirements**

recovery line prior to delivery of the gasoline, will be used--no pressure and vacuum relief valve is required. The vacuum setting on the pressure and vacuum relief valve on an underground storage tank may be set at the lowest vacuum setting which is sufficient to keep the vent closed at zero pressure and vacuum.

019 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

The permittee may not allow a gasoline tank truck to be filled or emptied unless the gasoline tank truck:

- (a) has been tested by the owner or operator within the immediately preceding 12 months in accordance with 25 Pa. Code § 139.14;
 - (b) sustains a pressure change of no more than 750 pascals (3 inches of H₂O) in 5 minutes when pressurized to a gauge pressure of 18 inches of H₂O (4,500 pascals) or evacuated to a gauge pressure of 6 inches of H₂O (1,500 pascals) during the testing required in (a), above;
 - (c) is repaired by the owner or operator and retested within 15 days of testing if it does not meet the criteria in (b), above; and
 - (d) displays a clear marking near the Department of Transportation Certification plate required by 49 CFR § 178.340-10b (relating to certification), which shows the most recent date upon which the gasoline tank truck passed the test required under 25 Pa. Code § 129.62.
- (e) Gasoline tank trucks with a rated capacity of less than 4,800 gallons are exempt from the above.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

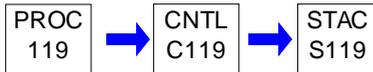
Source ID: 119

Source Name: 9TH & GREEN LOADING RACK

Source Capacity/Throughput:

N/A

GASOLINE LOADING

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Emissions to the atmosphere from the vapor collection and processing systems due to the loading of gasoline cargo tanks shall not exceed 10 milligrams of total organic compounds per liter of gasoline loaded.

Compliance with the above emission limit shall be demonstrated on the gasoline loading rack carbon adsorber CEMS outlet parameter limit of 0.55% VOC as propane.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 129.59(a).]

II. TESTING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may comply with (a) and (b), below, for railcar gasoline cargo tanks, provided the railcar tank meets the requirement in (c), below:

(a) comply with the requirements of 49 CFR §§ 173.31(d), 179.7, 180.509, and 180.511 for the testing of railcar gasoline cargo tanks.

(b) the leakage pressure test procedure required under 49 CFR § 180.509(j) and used to show no indication of leakage under 49 CFR § 180.511(f) shall be ASTM E 515-95 (incorporated by reference, see 40 CFR § 63.14), BS EN 1593:1999 (incorporated by reference, see 40 CFR § 63.14), or another bubble leak test procedure meeting the requirements in 49 CFR §§ 179.7, 180.505, and 180.509.

(c) the requirements in this condition may not be used for any railcar gasoline cargo tank that collects gasoline vapors from a vapor balance system permitted under or required by a Federal, State, local, or tribal agency. A vapor balance system is a piping and collection system designed to collect gasoline vapors displaced from a storage vessel, barge, or other container being loaded, and routes the displaced gasoline vapors into the railcar gasoline cargo tank from which liquid gasoline is being unloaded.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall conduct a performance test on the vapor processing system according to the test methods and procedures in 40 CFR § 60.503, except a reading of 500 ppm shall be used to determine the level of leaks to be repaired under 40 CFR § 60.503(b).

(b) For each performance test conducted under (a), above, the permittee shall determine a monitored operating parameter value for the vapor processing system using the following procedure:

- (1) during the performance test, continuously record the operating parameter under 40 CFR § 63.427(a);
- (2) determine an operating parameter value based on the parameter data monitored during the performance test, supplemented by engineering assessments and the manufacturer's recommendations; and
- (3) provide for the Administrator's approval the rationale for the selected operating parameter value, and monitoring frequency and averaging time, including data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the emission standard in 40 CFR §§ 63.422(b) or 60.112b(a)(3)(ii).

(c) For performance tests performed after the initial test, the permittee shall document the reasons for any change in the operating parameter value since the previous performance test.

**SECTION D. Source Level Requirements****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Continuous performance pressure decay test. The continuous performance pressure decay test shall be performed using EPA Method 27, appendix A, 40 CFR Part 60. Conduct only the positive pressure test using a time period (t) of five (5) minutes. The initial pressure (Pi) shall be 460 mm H₂O (18 in. H₂O), gauge. The maximum allowable five (5) minute pressure change (delta p) which shall be met at any time is shown in the third column of Table 2 of 40 CFR § 63.425(e)(1).

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Nitrogen pressure decay field test. For those cargo tanks with manifolded product lines, this test procedure shall be conducted on each compartment.

(a) Record the cargo tank capacity. Upon completion of the loading operation, record the total volume loaded. Seal the cargo tank vapor collection system at the vapor coupler. The sealing apparatus shall have a pressure tap. Open the internal vapor valve(s) of the cargo tank and record the initial headspace pressure. Reduce or increase, as necessary, the initial headspace pressure to 460 mm H₂O (18.0 in. H₂O), gauge by releasing pressure or by adding commercial grade nitrogen gas from a high pressure cylinder capable of maintaining a pressure of 2,000 psig.

(1) The cylinder shall be equipped with a compatible two-stage regulator with a relief valve and a flow control metering valve. The flow rate of the nitrogen shall be no less than 2 cfm. The maximum allowable time to pressurize cargo tanks with headspace volumes of 1,000 gallons or less to the appropriate pressure is four (4) minutes. For cargo tanks with a headspace of greater than 1,000 gallons, use as a maximum allowable time to pressurize four (4) minutes or the result from the equation below, whichever is greater.

$$T = V_h \times 0.004$$

where:

T = maximum allowable time to pressurize the cargo tank, min;

V_h = cargo tank headspace volume during testing, gal.

(b) It is recommended that after the cargo tank headspace pressure reaches approximately 460 mm H₂O (18 in. H₂O), gauge, a fine adjust valve be used to adjust the headspace pressure to 460 mm H₂O (18.0 in. H₂O), gauge for the next thirty (30) +/- 5 seconds.

(c) Reseal the cargo tank vapor collection system and record the headspace pressure after 1 minute. The measured headspace pressure after 1 minute shall be greater than the minimum allowable final headspace pressure (PF) as calculated from the equation located in 40 CFR § 63.425(g)(2).

(d) Conduct the internal vapor valve portion of this test by repressurizing the cargo tank headspace with nitrogen to 460 mm H₂O (18 in. H₂O), gauge. Close the internal vapor valve(s), wait for thirty (30) +/- 5 seconds, then relieve the pressure downstream of the vapor valve in the vapor collection system to atmospheric pressure. Wait fifteen (15) seconds, then reseal the vapor collection system. Measure and record the pressure every minute for five (5) minutes. Within five (5) seconds of the pressure measurement at the end of five (5) minutes, open the vapor valve and record the headspace pressure as the "final pressure."

(e) If the decrease in pressure in the vapor collection system is less than at least one of the interval pressure change values in Table 3 of 40 CFR § 63.425, or if the final pressure is equal to or greater than 20% of the one (1) minute final headspace pressure determined in the test in 40 CFR § 63.425(g)(3), then the cargo tank is considered to be a vapor-tight gasoline cargo tank.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Annual certification test. The annual certification test for gasoline cargo tanks shall consist of the following test methods and procedures:

(a) Method 27, appendix A, 40 CFR part 60. Conduct the test using a time period (t) for the pressure and vacuum tests of five (5) minutes. The initial pressure (Pi) for the pressure test shall be 460 mm H₂O (18 in. H₂O), gauge. The initial vacuum (Vi) for the vacuum test shall be 150 mm H₂O (6 in. H₂O), gauge. The maximum allowable pressure and vacuum changes

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(delta p, delta v) are as shown in the second column of Table 2 of 40 CFR § 63.425.

(b) Pressure test of the cargo tank's internal vapor valve as follows:

(1) After completing the tests under 40 CFR § 63.425(e)(l), use the procedures in Method 27 to repressurize the tank to 460 mm H₂O (18 in. H₂O), gauge. Close the tank's internal vapor valve(s), thereby isolating the vapor return line and manifold from the tank.

(2) Relieve the pressure in the vapor return line to atmospheric pressure, then reseal the line. After five (5) minutes, record the gauge pressure in the vapor return line and manifold. The maximum allowable five (5)-minute pressure increase is 130 mm H₂O (5 in. H₂O).

007 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee shall test the Vapor Recovery Unit for compliance with the emission limit at least 180 days prior to expiration of this permit.

III. MONITORING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate, calibrate, certify, and maintain the carbon adsorption system according to the manufacturer's specifications.

The continuous emission monitoring system shall be maintained in the exhaust air stream and shall adhere to the general requirements of 40 CFR §§ 63.8 and 10.

IV. RECORDKEEPING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall:

(a) keep an up-to-date, readily accessible record of the continuous monitoring data required under 40 CFR § 63.427(a). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record; and

(b) record and report simultaneously with the notification of compliance status required under 40 CFR § 63.9(h):

(1) All data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under 40 CFR § 63.425(b); and

(2) If the permittee requests approval to use a vapor processing system or monitor an operating parameter other than those specified in 40 CFR § 63.427(a), the permittee shall submit a description of planned reporting and recordkeeping procedures. The Administrator will specify appropriate reporting and recordkeeping requirements as part of the review of the permit application.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as follows:

(a) annual certification testing performed under 40 CFR § 63.425(e);

(b) continuous performance testing performed at any time at this facility under 40 CFR § 63.425(f), (g), or (h);

(c) the documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information:

(1) Name of test:

(i) Annual Certification Test -- Method 27 (40 CFR § 63.425(e)(1));

(ii) Annual Certification Test -- Internal Vapor Valve (40 CFR § 63.425(e)(2));

(iii) Leak Detection Test; Nitrogen Pressure Decay Field Test (40 CFR § 63.425(g)); or

(iv) Continuous Performance Pressure Decay Test.

(2) Cargo tank owner's name and address.

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- (3) Cargo tank identification number.
- (4) Test location and date.
- (5) Tester name and signature.
- (6) Witnessing inspector, if any: Name, signature, and affiliation.
- (7) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing.
- (8) Test results:
 - (i) Pressure or vacuum change, mm of water;
 - (ii) Time period of test;
 - (iii) Number of leaks found with instrument and leak definition.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

When loading is performed through means other than hatches, the loading and vapor lines must be equipped with fittings which make vapor tight connections and which will be closed when disconnected.

012 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

- (a) The permittee shall maintain records of certification testing and repairs. The records shall identify the gasoline tank truck, vapor collection system or vapor control system; the date of the test or repair; and, if applicable, the type of repair and the date of retest. The records shall be maintained in a legible, readily-available condition for 1 year after the date the testing or repair was completed.
- (b) The records of certification tests required by (a), above, shall contain:
 - (1) the gasoline tank truck tank serial number;
 - (2) the initial test pressure and the time of the reading;
 - (3) the final test pressure and the time of the reading;
 - (4) the initial test vacuum and the time of the reading;
 - (5) the final test vacuum and the time of the reading;
 - (6) at the top of each report page, the company name and the date and location of the tests on that page; and
 - (7) the name and title of the person conducting the test.
- (c) Copies of records and reports under this subsection shall be made available to the Department upon verbal or written request at any reasonable time. A copy of the test results for each gasoline tank shall be kept with the truck.
- (d) Gasoline tank trucks with a rated capacity of less than 4,800 gallons are exempt from the above.

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit an excess emissions report to the Administrator in accordance with 40 CFR § 63.10(e)(3), whether or not a CMS is installed at the facility. The following occurrences are excess emissions events under this subpart, and the following information shall be included in the excess emissions report, as applicable:

- (a) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under 40 CFR § 63.425(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CMS; and
- (b) Each instance of a nonvapor-tight gasoline cargo tank loading at the facility in which the permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained.
- (c) Each reloading of a nonvapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with 40 CFR § 63.422(c)(2).

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall include in a semi-annual report to the Administrator the loading of each gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall comply with the requirements in 40 CFR § 60.502 except for paragraphs (b), (c), and (j). For purposes of 40 CFR 63, Subpart R, the term "affected facility" used in 40 CFR § 60.502 means the loading racks that load gasoline cargo tanks at the bulk gasoline terminals subject to the provisions of 40 CFR 63, Subpart R.

(b) The permittee shall comply with 40 CFR § 60.502(e) as follows:

(1) For the purposes of 40 CFR 63, Subpart R, the term "tank truck" as used in 40 CFR § 60.502(e) means "cargo tank."

(2) 40 CFR § 60.502(e)(5) is changed to read: The permittee shall take steps assuring that the nonvapor-tight gasoline cargo tank will not be reloaded at the facility until vapor tightness documentation for that gasoline cargo tank is obtained which documents that:

(i) The gasoline cargo tank meets the applicable test requirements in 40 CFR § 63.425(e);

(ii) For each gasoline cargo tank failing the test in 40 CFR § 63.425(f) or (g) at the facility, the cargo tank either:

(A) Before repair work is performed on the cargo tank, meets the test requirements in 40 CFR § 63.425(g) or (h), or

(B) After repair work is performed on the cargo tank before or during the tests in 40 CFR § 63.425(g) or (h), subsequently passes the annual certification test described in 40 CFR § 63.425(e).

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Top loading shall not be performed through any truck hatch unless prior approval from the Department is granted.

017 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

Gasoline may not be spilled or discarded in sewers or stored in open containers or handled in a manner that would result in uncontrolled evaporation to the atmosphere.

018 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

The permittee may not permit the transfer of gasoline between the tank truck or trailer and a stationary storage tank unless the following conditions are met:

(a) the vapor balance system is in good working order and is designed and operated in a manner that prevents:

(1) Gauge pressure from exceeding 18 inches of H₂O (4500 pascals) and vacuum from exceeding 6 inches of water (1500 pascals) in the gasoline tank truck;

(2) A reading equal to or greater than 100% of the lower explosive limit--LEL, measured as propane--at 1 inch from points on the perimeter of a potential leak source when measured by the method referenced in 25 Pa. Code § 139.14 (relating to emissions of volatile organic compounds) during loading or unloading operations at small gasoline storage tanks, bulk plants and bulk terminals; and

(3) Avoidable liquid leaks during loading or unloading operations at bulk terminals.

(b) a truck, vapor balance system or vapor disposal system, if applicable, that exceeds the limits in paragraph (1) is repaired and retested within 15 days;

(c) there are no visually- or audibly-detectable leaks in the tank truck's or trailer's pressure/vacuum relief valves and hatch covers, the truck tanks or storage tanks, or associated vapor and liquid lines during loading or unloading; and

(d) the pressure and vacuum relief valves on storage vessels and tank trucks or trailers are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest allowable pressure and vacuum as specified in State or local fire codes, the National Fire Prevention Association guidelines or other National consensus standards acceptable to the Department. Upon demonstration by the permittee of an underground small gasoline storage tank that the vapor balance system specified in (a), above, will achieve a 90% vapor recovery efficiency without a pressure and vacuum relief valve and that an interlock system, sufficient to ensure connection of the vapor recovery line prior to delivery of the gasoline, will be used--no pressure and vacuum relief valve is required. The vacuum setting on the pressure and vacuum relief valve on an underground storage tank may be set at the lowest vacuum setting which is sufficient to keep the vent closed at zero pressure and vacuum.

019 [25 Pa. Code §129.62]**General standards for bulk gasoline terminals/plants, and small gasoline storage tanks**

The permittee may not allow a gasoline tank truck to be filled or emptied unless the gasoline tank truck:

(a) has been tested by the owner or operator within the immediately preceding 12 months in accordance with 25 Pa. Code

**SECTION D. Source Level Requirements**

§139.14;

(b) sustains a pressure change of no more than 750 pascals (3 inches of H₂O) in 5 minutes when pressurized to a gauge pressure of 18 inches of H₂O (4,500 pascals) or evacuated to a gauge pressure of 6 inches of H₂O (1,500 pascals) during the testing required in (a), above;

(c) is repaired by the owner or operator and retested within 15 days of testing if it does not meet the criteria in (b), above; and

(d) displays a clear marking near the Department of Transportation Certification plate required by 49 CFR § 178.340-10b (relating to certification), which shows the most recent date upon which the gasoline tank truck passed the test required under 25 Pa. Code § 129.62.

(e) gasoline tank trucks with a rated capacity of less than 4,800 gallons are exempt from the above.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

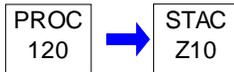
Source ID: 120

Source Name: TANK 101 INT FLOAT 4.75 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall not exceed 1.28 tons in any 12 consecutive month period.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The vapor pressure of the stored product shall be limited to less than 11.0 psia, under actual storage conditions.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This storage tank shall be equipped with an internal floating roof, mechanical shoe seal, and painted light gray (epoxy white) or with a paint of equal or lower solar absorption.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T006 (NSPS Kb Internal Floating Roof Tanks).



SECTION D. Source Level Requirements

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

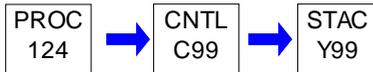
Source ID: 124

Source Name: TANK 169 INT FLOAT 5 MBBL

Source Capacity/Throughput:

N/A

PETROLEUM LIQUIDS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Emissions from this tank shall not exceed the following:

- (a) VOC - 29 lbs in any 12 consecutive month period.
- (b) Benzene - 0.06 lbs in any 12 consecutive month period.

Control Device Efficiencies Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The maximum allowable emission permitted from the vapor recovery unit is 0.0668 lb of VOC per 100 gallons of gasoline.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]**Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Standard for volatile organic compounds (VOC).**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) The closed vent system shall collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in part 40 CFR § 60.485(b).
- (b) The control device shall be operated to reduce inlet VOC emissions by 95 percent or greater.

II. TESTING REQUIREMENTS.**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]****Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Testing and procedures.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall follow the testing requirements outlined in 40 CFR § 60.113b(c).

III. MONITORING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Sufficient monitoring shall be performed on a monthly basis to demonstrate compliance with the emission limitations for this storage tank.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following records shall be maintained for this tank:

**SECTION D. Source Level Requirements**

- (a) Throughput amount, and type, on a monthly basis.
- (b) The maximum true vapor pressure of the liquid, as stored.
- (c) An estimate of the VOC emissions monthly and a rolling 12 consecutive month total.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR §§ 60.112b(a)(1) and 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR § 60.7(a)(3) and a copy shall be kept for a minimum of five (5) years.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall keep the following records:

- (a) A copy of the operating plan.
- (b) A record of the measured values of the parameters monitored in accordance with 40 CFR § 60.113b(c)(2).

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Monitoring of operations.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
- (b) The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
- (c) Available data on the storage temperature may be used to determine the maximum true vapor pressure based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

V. REPORTING REQUIREMENTS.

**# 010 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The permittee shall immediately notify the Department of any malfunction of, or damage to, this storage tank or associated internal floating roof which results in, or may possibly be resulting in, an increase in the emission of gasoline vapors from the tank.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The exhaust from this storage tank shall be piped to a vapor recovery unit.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

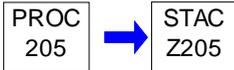
Source ID: 205

Source Name: TANK 254 INT FLOAT 12.8 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 205 shall not store any VOC with a vapor pressure greater than 11.0 psia.

The aggregate VOC emissions from these two tanks (including emissions from heated tanks and roof landings) in any 12 consecutive month period shall not exceed 6.73 tons (This aggregate limit was developed for, and based on throughputs applied for in, previous plan approval, PA-23-0001J).

Source No.	Tank No.
205	254
206	269

Compliance with the above emission limit shall be determined using the most recent EPA's Tanks program or equivalent Department approved method.

Note. A previous tank group limit of 47.13 tons VOC/12-month rolling period had included these tanks. This limit had been increased from 43.83 tons to account for the storage of heated liquids and tank roof landings. 40.4 tons of this VOC limit went to the SXL tanks.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following shall be monitored on a monthly basis:

- (a) type and amount of material stored;
- (b) actual vapor pressure of the material stored; and
- (c) records of annual inspections.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following records shall be recorded on a monthly basis:

- (a) 12 consecutive month emission sums;
- (b) records of all emission calculations;
- (c) type and amount of material stored;
- (d) actual vapor pressure of the material stored; and
- (e) records of any required annual inspections.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

**# 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The applicable requirements for this source can be found in Source T006 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

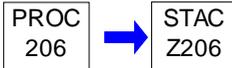
Source ID: 206

Source Name: TANK 269 INT FLOAT 13.0 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source 206 shall not store VOCs with a vapor pressure greater than 1.5 psia.

The aggregate VOC emissions for these two (2) tanks (including emissions from heated tanks and roof landings) in any 12 consecutive month period shall not exceed 6.73 tons (This aggregate limit was developed for, and based on throughputs applied for in, previous plan approval, PA-23-0001J).

Source No.	Tank No.
205	254
206	269

Compliance with the above emission limit shall be determined using the most recent EPA's Tanks program or equivalent Department approved method.

Note. A previous tank group limit of 47.13 tons VOC/12-month rolling period had included these tanks. This limit had been increased from 43.83 tons to account for the storage of heated liquids and tank roof landings. 40.4 tons of the VOC limit went to SXL tanks.

II. TESTING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The storage tank shall be tested in conformance with the requirements of 40 CFR § 60.113b.

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following shall be monitored on a monthly basis:

- type and amount of material stored;
- actual vapor pressure of the material stored;
- records of annual inspections; and
- records of any required seal gap measurements.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall annually inspect the roof for compliance with the following:

- there shall be no visible holes, tears or other openings in the seals or seal fabric;
- all openings, except stub or emergency drains, shall be covered and sealed except when in use;
- all automatic bleeder or rim vents shall remain closed except when the roof is floated onto or off its leg supports;
- all emergency drains on external floating roofs shall be provided with a slotted membrane fabric which covers at least 90 percent of the area opening;
- all external floating roofs shall be visually inspected annually for secondary seal gap; and

SECTION D. Source Level Requirements

(f) the secondary seal gap of external floating roof tanks equipped with a vapor mounted primary seal shall be measured annually.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall annually inspect the internal floating roof for compliance with the following:

- (a) there shall be no visible holes, tears or other openings in the seals or seal fabric;
- (b) all openings, except stub or emergency drains, shall be covered and sealed except when in use;
- (c) all automatic bleeder or rim vents shall remain closed except when the roof is floated onto or off its leg supports;
- (d) all emergency drains on external floating roofs shall be provided with a slotted membrane fabric which covers at least 90% of the area opening;
- (e) all external floating roofs shall be visually inspected annually for secondary seal gap; and
- (f) the secondary seal gap of external floating roof tanks equipped with a vapor mounted primary seal shall be measured annually.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The following records shall be recorded on a monthly basis:

- (a) 12 consecutive month emission sums;
- (b) records of all emission calculations;
- (c) type and amount of material stored;
- (d) actual vapor pressure of the material stored;
- (e) records of any required annual inspections; and
- (f) records of any required seal gap measurements.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall record the following:

- (a) the maximum true vapor pressure of the liquids stored; and
- (b) the results of the annual roof monitoring.

V. REPORTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit copies of all requests, reports, applications, submittals and other communications to both the EPA and the Department. The EPA submittals shall be forwarded to:

Director
Air Protection Division
US EPA Region III
1650 Arch Street
Philadelphia PA 19103

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall immediately notify the Department of any malfunction of the source or any associated air cleaning device(s) which result in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection.

SECTION D. Source Level Requirements**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall notify the Department and EPA, as appropriate, of changes in the products stored in a tank and describe how the change affects applicable requirements and how those applicable requirements are being met. In accordance with 25 Pa. Code §127.14(c), this notice shall be provided seven (7) days prior to a change that involves no equipment changes or fifteen (15) days prior to a change that involves equipment changes.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Additional requirements for this storage tank are found in Source T006 (NSPS Kb Internal Floating Roof Tanks).

012 [25 Pa. Code §127.503]**Application information.**

This storage tank is equipped with an internal floating roof with a double set of seals and shall store only liquids having a vapor pressure less than 11.1 psia.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

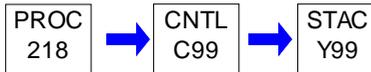
Source ID: 218

Source Name: TANK 166 INT FLOAT 4.75 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions shall not exceed 27.99 lbs/yr.

Control Device Efficiencies Restriction(s).

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The closed vent system shall collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in part 40 CFR § 60.485(b).

(b) The control device shall be operated to reduce inlet VOC emissions by 95 percent or greater.

II. TESTING REQUIREMENTS.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall follow the testing requirements outlined in 40 CFR § 60.113b(c).

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The following shall be monitored monthly:

- (a) Throughput amount and type.
- (b) Product vapor pressure.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following records shall be maintained for this tank:

- (a) Throughput amount, and type, on a monthly basis.
- (b) The maximum true vapor pressure of the liquid, as stored.
- (c) An estimate of the VOC emissions monthly and a rolling 12 consecutive month total.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The following shall be recorded monthly:

- (a) Throughput type and amount.
- (b) Product vapor pressure.

Monthly calculations shall be performed and aggregated with the previous eleven (11) consecutive months.

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]**Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR §§ 60.112b(a)(1) and 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR § 60.7(a)(3) and a copy shall be kept for a minimum of five (5) years.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]**Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall keep the following records:

- (a) A copy of the operating plan.
- (b) A record of the measured values of the parameters monitored in accordance with 40 CFR § 60.113b(c)(2).

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]**Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Monitoring of operations.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
- (b) The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
- (c) Available data on the storage temperature may be used to determine the maximum true vapor pressure based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

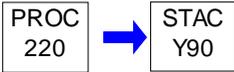
Source ID: 220

Source Name: TANK 255 INT FLOAT 15.0 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The applicable requirements for this source can be found in Source T006 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

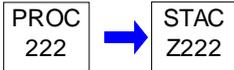
Source ID: 222

Source Name: TANK 167 INT FLOAT 10.0 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The applicable requirements for this source can be found in Source T006 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

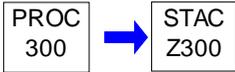
Source ID: 300

Source Name: MISCELLANEOUS TANKS

Source Capacity/Throughput:

N/A

GASOLINE



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The applicable requirements for this source can be found in Source T006 (NSPS Kb Internal Floating Roof Tanks).

**# 002 [25 Pa. Code §127.503]
Application information.**

This source consists of the following individual storage tanks: F-1, F-2, F-5, F-6, F-8, F-12, F-16, F-20, S-1, and M-1.

***** Permit Shield in Effect. *****



SECTION D. Source Level Requirements

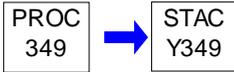
Source ID: 349

Source Name: TANK F-23 INT FLOAT 1.2 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

The applicable requirements for this source can be found in Source T006 (NSPS Kb Internal Floating Roof Tanks).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

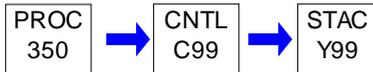
Source ID: 350

Source Name: TANK F3 CONE ROOF 0.71 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this tank shall not exceed 30 lbs in any 12 consecutive month period.

Control Device Efficiencies Restriction(s).

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The closed vent system shall collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in part 40 CFR § 60.485(b).

(b) The control device shall be operated to reduce inlet VOC emissions by 95 percent or greater.

II. TESTING REQUIREMENTS.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall follow the testing requirements outlined in 40 CFR § 60.113b(c).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following records shall be maintained for this tank:

(a) Throughput amount, and type, on a monthly basis.

(b) The maximum true vapor pressure of the liquid, as stored.

(c) An estimate of the VOC emissions monthly and a rolling 12 consecutive month total.

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Reporting and recordkeeping requirements.

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR §§ 60.112b(a)(1) and 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR § 60.7(a)(3) and a copy shall be kept for a minimum of five (5) years.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall keep the following records:

- (a) A copy of the operating plan.
- (b) A record of the measured values of the parameters monitored in accordance with 40 CFR § 60.113b(c)(2).

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Monitoring of operations.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
- (b) The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
- (c) Available data on the storage temperature may be used to determine the maximum true vapor pressure based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

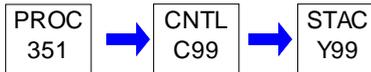
Source ID: 351

Source Name: TANK F4 CONE ROOF 0.48 MBBL

Source Capacity/Throughput:

N/A

PETRO. LIQUIDS

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

VOC emissions from this tank shall not exceed 25.0 lbs in any 12 consecutive month period.

Control Device Efficiencies Restriction(s).

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The closed vent system shall collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in part 40 CFR § 60.485(b).

(b) The control device shall be operated to reduce inlet VOC emissions by 95 percent or greater.

II. TESTING REQUIREMENTS.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall follow the testing requirements outlined in 40 CFR § 60.113b(c).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following records shall be maintained for this tank:

(a) Throughput amount, and type, on a monthly basis.

(b) The maximum true vapor pressure of the liquid, as stored.

(c) An estimate of the VOC emissions monthly and a rolling 12 consecutive month total.

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Reporting and recordkeeping requirements.

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR §§ 60.112b(a)(1) and 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR § 60.7(a)(3) and a copy shall be kept for a minimum of five (5) years.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall keep the following records:

- (a) A copy of the operating plan.
- (b) A record of the measured values of the parameters monitored in accordance with 40 CFR § 60.113b(c)(2).

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Monitoring of operations.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
- (b) The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
- (c) Available data on the storage temperature may be used to determine the maximum true vapor pressure based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

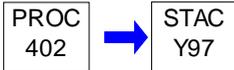
Source ID: 402

Source Name: BLIND CHANGING

Source Capacity/Throughput:

N/A

PETRO.LIQUIDS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

When opening process lines for the purpose of blinding, the permittee shall depressurize and evacuate the line from both ends prior to opening the system to be worked on. While the blind is in place, the permittee shall continue to adhere to the applicable LDAR requirements.

All emissions occurring from blind changing shall be included in the emission reports from the facility.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

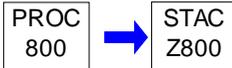
Source ID: 800

Source Name: STATE FUGITIVE EQUIPMENT

Source Capacity/Throughput:

N/A

REFINERY FUGITIVES

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall conduct a monitoring program consistent with the following requirements:

- (a) check yearly, by methods referenced in 25 Pa. Code § 139.14, pump seals and pipeline valves in liquid service;
- (b) check quarterly by methods referenced in 25 Pa. Code § 139.14, compressor seals, pipeline valves in gaseous service, and pressure relief valves in gaseous service;
- (c) check monthly, by visual methods, all pump seals;
- (d) check within 24 hours, by methods referenced in 25 Pa. Code § 139.14, pump seal from which VOC liquids are observed to be dripping;
- (e) check, by methods referenced in 25 Pa. Code § 139.14, a relief valve within 24 hours after it has vented to the atmosphere;
- (f) check within 72 hours after repair, by methods referenced in 25 Pa. Code § 139.14, any component that was found leaking; and
- (g) record leaking components which have a VOC concentration exceeding 10,000 ppm when tested in accordance with the provisions of 25 Pa. Code § 139.14 (relating to emissions of VOCs) and place an identifying tag on each component consistent with Condition #001, above.

Pressure relief devices which are connected to a vapor recovery devices, inaccessible valves, storage tank valves and valves that are not externally regulated are exempt from the monitoring requirements above. Inaccessible valves will have the same meaning as provided in 40 CFR § 60.482-7(h)(1) for difficult-to-monitor components and 40 CFR § 60.482-7(g)(1) for unsafe-to-monitor components.

The permittee, upon the detection of a leaking component, shall affix a weatherproof and readily visible tag, bearing an identification number and the date upon which the leak is located to the leaking component. This tag shall remain in place until the leaking component is repaired.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a leaking components monitoring log which shall contain, at a minimum, the following data:

- (a) the name and process unit where the component is located;
- (b) the type of component-- for example, valve, seal;
- (c) the tag number of component;
- (d) the dates on which the leaking component was discovered and repaired;

**SECTION D. Source Level Requirements**

- (e) the date and instrument reading of the recheck procedure after a leaking component was repaired;
- (f) a record of the calibration of the monitoring instrument; and
- (g) those leaks that cannot be repaired until turnaround.
- (h) the total number of components checked and the total number of components found leaking.

Copies of the monitoring log shall be retained by the permittee for five (5) years after the date on which the record was made or the report was prepared.

Copies of the monitoring log shall immediately be made available to the Department, upon verbal or written request, at any reasonable time.

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may submit to the Department a list of components the inspection of which would involve a significant element of danger. The Department may exempt the components on this list from the requirements of this section if the permittee can demonstrate to the satisfaction of the Department that a significant element of danger exists which cannot be reasonably eliminated and that these exemptions will not result in a significant reduction in the effectiveness in the control of VOC emissions. Any component so exempted by the Department prior to, or subsequent to, issuance of this permit is exempt from the LDAR provisions of this source.

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Upon completion of each yearly and quarterly monitoring procedure, the permittee shall:

- (a) submit a report to the Department by the last business day of January, April, July, and October that lists all leaking components that were located during the previous calendar quarter but not repaired within fifteen (15) days, all leaking components awaiting a unit turnaround, the total number of components inspected and the total number of components found leaking; and
- (b) submit a signed statement with the report attesting to the fact that, with the exception of those leaking components listed in (a) above, monitoring and repairs were performed as stipulated in the monitoring program.

VI. WORK PRACTICE REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Except for safety pressure relief valves and fittings on all valves one (1) inch or smaller, the permittee shall not install or operate a valve at the end of a pipe or line containing VOCs unless the pipe or line is sealed with a second valve, a blind flange, a plug or a cap. The sealing device may be removed only when a sample is being taken or during maintenance operations.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall:

- (a) repair and retest the leaking components as soon as possible. Every reasonable effort shall be made to repair each leak within fifteen (15) days unless a unit shutdown is required to make the necessary repair; and
- (b) identify leaking components which cannot be repaired until the unit is shutdown.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Pipeline valves and pressure relief valves in gaseous VOC service shall be marked in some manner that will be readily obvious to both facility (or contractor) personnel performing monitoring and the Department.

SECTION D. Source Level Requirements**VII. ADDITIONAL REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee may submit an alternative plan for the control of leaks from equipment to the Department. If the Department finds that the alternative plan will achieve an emission reduction which is equivalent to or greater than the reduction which can be achieved under 25 Pa. Code § 129.58 and that the alternative plan is as enforceable as 25 Pa. Code § 129.58, then the Department will allow the implementation of this alternative plan.

(b) The permittee may submit to the Department a list of components the inspection of which would involve a significant element of danger. The Department may exempt the components on this list from the requirements of this section if the permittee can demonstrate to the satisfaction of the Department that a significant element of danger exists which cannot be reasonably eliminated and that these exemptions will not result in a significant reduction in the effectiveness in the control of VOC emissions.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: T006

Source Name: NSPS KB INT FLOAT TANKS

Source Capacity/Throughput:

I. RESTRICTIONS.**Fuel Restriction(s).**

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee may not store volatile organic compounds that have a vapor pressure of 11.1 psia or greater under actual storage conditions in this source.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Testing and procedures.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) The permittee shall visually inspect the internal floating roof and the primary seal prior to filling the storage tank with VOL.
- (b) The permittee shall visually inspect the internal floating roof and the primary seal through the manholes and roof hatches on the fixed roof at least once every twelve (12) months after the initial fill.
- (c) The permittee shall visually inspect the internal floating roof, the primary seal, gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed, and at least every ten (10) years.

IV. RECORDKEEPING REQUIREMENTS.

**# 003 [25 Pa. Code §127.511]
Monitoring and related recordkeeping and reporting requirements.**

Throughput type, and amount, for each individual tank, shall be recorded on a monthly basis.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall keep a record of each inspection performed as required by Condition #002, for this source, which shall include:

- (a) identification of the storage tank;
- (b) the date of the inspection; and
- (c) the observed condition of each component inspected.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.116b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Monitoring of operations.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

**SECTION D. Source Level Requirements**

- (a) The permittee shall keep records of the following for each storage vessel:
- (1) The dimensions of the storage vessel,
 - (2) The capacity of the storage vessel,
 - (3) The VOL stored,
 - (4) The period of storage for which the VOL was stored in the vessel,
 - (5) The maximum true vapor pressure of that VOL during the respective storage period.
- (b) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below:
- (1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service,
 - (2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following:
 - (i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be samples, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).
 - (ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 2.0 psia or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded of the estimated maximum true vapor pressure is greater than 0.51 psia.

V. REPORTING REQUIREMENTS.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Testing and procedures.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) Except as provided in subcondition (b), below, for inspections required by Condition #002(a) and (c), for this source, the permittee shall notify the Administrator in writing at least thirty (30) calendar days prior to the filling or refilling of the tank with VOL to afford the Administrator the opportunity to inspect the storage vessel prior to refilling.
- (b) If the inspection is not planned and the permittee could not have known about the inspection thirty (30) days in advance of refilling the vessel with VOL, the permittee shall notify the Administrator at least seven (7) calendar days prior to refilling of a storage vessel. Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Administrator at least seven (7) calendar days prior to refilling.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Testing and procedures.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) After each visual inspection that detects defects, the permittee shall submit a report to the Administrator within thirty (30) days of the inspection. The report shall contain the following information:
- (1) The identity of the storage vessel inspected.
 - (2) The nature of the defects.
 - (3) The date the tank was emptied or the nature of and date the repair was made.

(b) If defects found during the inspection cannot be repaired within forty-five (45) days and if the tank cannot be emptied within forty-five (45) days, a thirty (30) day extension may be requested from the Administrator in the inspection report required by subcondition (a), above. Such a request for an extension must document that alternate storage capacity is

**SECTION D. Source Level Requirements**

unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the tank will be emptied as soon as possible.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.115b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Reporting and recordkeeping requirements.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

If any of the conditions described in Condition #002(b) or (c), above are detected during the inspection, a report shall be furnished to the Administrator of the EPA and the Department within thirty (30) days of the inspection. The report shall identify the following:

- (a) the storage vessel;
- (b) the nature of the defects; and
- (c) the date the storage vessel was emptied or the nature of and date the repair was made.

VI. WORK PRACTICE REQUIREMENTS.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

- (a) Except for automatic bleeder vents and rim space vents, each opening in a noncontact internal floating roof shall provide a projection below the liquid surface.
- (b) Except for automatic bleeder vents, rim space vents, leg sleeves, column wells, ladder wells, sampling wells, and stub drains, each opening in the roof is to be equipped with a gasketed cover or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- (c) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- (d) Rim vents shall be equipped with a gasket and are to be set to open only when the roof is being floated off the roof leg supports, or at the manufacturer's recommended setting.
- (e) Each penetration of the internal floating roof that allows for the column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- (f) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least ninety (90) percent of the opening.
- (g) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]
Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
Standard for volatile organic compounds (VOC).**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:

- (a) A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
- (b) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but

**SECTION D. Source Level Requirements**

both must be continuous.

(c) A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.112b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Standard for volatile organic compounds (VOC).

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The internal floating roof shall rest or float on the liquid surface, (but not necessarily in complete contact with it) inside the tank at all times, except during those intervals when the tank is completely emptied or subsequently emptied and refilled.

(b) When the floating roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.113b]

Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 Testing and procedures.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) If during the inspection required by Condition #002, for this source, the primary seal has holes, tears or other openings in the seal fabric, or there are defects in the internal floating roof, the permittee shall repair the items as necessary so that none of the conditions specified in this condition exist before filling the storage vessel with VOL.

(b) If during the inspection required by Condition #002(b), for this source, the internal floating roof is not resting on the surface of the VOL inside the tank, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the tank from service within forth-five (45) days. If a failure cannot be repaired with in forty-five (45) days and if the vessel cannot be empties within forty-five (45) days, a thirty (30) day extension may be requested in accordance with the requirements specified in Condition #007(b) for this source.

(c) If during the inspection required by Condition #002(c), of this source, the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or seal fabric, or the gaskets n longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than ten (10) percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this subcondition exist before refilling the tank with VOL.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description	Emission Limit	Pollutant
120	TANK 101 INT FLOAT 4.75 MBBL	1.280 Tons/Yr	VOC
124	TANK 169 INT FLOAT 5 MBBL	0.060 Lbs/Yr	Benzene
		29.000 Lbs/Yr	VOC
205	TANK 254 INT FLOAT 12.8 MBBL	6.730 Tons/Yr	Group limit (2 tanks) VOC
206	TANK 269 INT FLOAT 13.0 MBBL	6.730 Tons/Yr	Group limit (2 tanks) VOC
218	TANK 166 INT FLOAT 4.75 MBBL	27.990 Lbs/Yr	VOC
350	TANK F3 CONE ROOF 0.71 MBBL	30.000 Lbs/Yr	VOC
351	TANK F4 CONE ROOF 0.48 MBBL	25.000 Lbs/Yr	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION G. Miscellaneous.**

The following activities occur at this facility, which do not require any monitoring, recordkeeping, or reporting requirements:

- Storage tanks that are not subject to other state of federal regulations, as listed below:

A-10, stores fresh acid, 63,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
 A-11, stores fresh acid, 63,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
 A-12, stores spent acid, 63,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
 A-13, stores spent acid, 63,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
 A-15, stores fresh acid, 2,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
 S-10, stores spent caustic, 13,440 gal cap. (Ceased operation at refinery shutdown in December 2011)
 S-27, stores fresh caustic, 12,390 gal cap. (Ceased operation at refinery shutdown in December 2011)
 S-33, stores spent caustic, 21,084 gal cap. (Ceased operation at refinery shutdown in December 2011)
 S-36, stores fresh caustic, 18,900 gal cap. (Ceased operation at refinery shutdown in December 2011)
 S-39, stores fresh caustic, 3,000 gal cap. (Ceased operation at refinery shutdown in December 2011)
 S-8, stores fresh caustic, 8,736 gal cap. (Ceased operation at refinery shutdown in December 2011)
 S-9, stores fresh caustic, 8,736 gal cap. (Ceased operation at refinery shutdown in December 2011)
 V-34, stores caustic, 17,052 gallon cap. (Ceased operation at refinery shutdown in December 2011)
 Oily water storage tanks: 827, 829, 831, 832, 883, 891, and 897. (Ceased operation at refinery shutdown in December 2011)
 Lube tanks: 860, 862, 864, 865, 866, 867, 869, 871, 873, 874, and 875. (Ceased operation at refinery shutdown in December 2011)
 diesel storage tanks: 877 (252 gallon cap) and 879 (546 gallon cap). (Ceased operation at refinery shutdown in December 2011)
 Additive storage: 900, 940, and 941. (Ceased operation at refinery shutdown in December 2011)
 Water storage: T-101 (storm water), W-17 and W-24 (city water), W-26 (process water), W-27 (city water), 842, 843, and 844 (all brine (Ceased operation at refinery shutdown in December 2011)storage).

- Diesel powered fire water pumps. (Ceased operation at refinery shutdown in December 2011)
 - Catalyst handling, transfer, and storage. (Ceased operation at refinery shutdown in December 2011)
 - Routine maintenance and turnaround activities.
 - Furnace de-coking. (Ceased operation at refinery shutdown in December 2011)

- Storage tanks with capacities smaller than 40,000 gallons that store organic materials with vapor pressures below 1.5 psia: 1, 53, 127, 128, 129, 887, and 899. (Ceased operation at refinery shutdown in December 2011)

- Tank truck loading of low vapor pressure materials such as lubricating oil & residual oil: includes LSC Lubricants at Second Street, lubricant loading at S-8 alleyway rack, lubricant loading at "B" pump house; and the bunker loading rack on Hewes Ave. (Ceased operation at refinery shutdown in December 2011)

- Railcar loading of low vapor pressure materials such as lubricating oil and residual oil: includes LSC lubricants loading and unloading at East lubricants loading rack, unloading at spur 39 (Sundex area), loading and unloading at the West lubricants rack. (Ceased operation at refinery shutdown in December 2011)

- General maintenance shops including; R & D mechanical shop, "A" group mechanical shop, "B" group mechanical shop, "C" group mechanical shop, & "D" group mechanical shop. (Ceased operation at refinery shutdown in December 2011)

- Marine vessel loading of materials with vapor pressures lower than 4.0 psia. (Ceased operation at refinery shutdown in December 2011)

- infrequent loading events at the 30 still.

The term "refinery gas" has been used throughout this permit. Refinery gas is the same as fuel gas as that term is described in 40 CFR Part 60 Subpart J.

The following permits and/or plan approvals have been incorporated into the Title V operating permit:
 PA-23-0001D, PA-23-0001E, PA-23-0001F, PA-23-0001H, PA-23-0001J, PA-23-0001K, PA-23-0001L, PA-23-0001N, PA-23-0001O,
 OP-23-0001, and 23-312-217GP.

November, 2003, APS - 346700, AUTH ID - 507623. The Department amended the Title V permit to incorporate the following plan approvals: PA-23-0001P and PA-23-0001R.

**SECTION G. Miscellaneous.**

November 2004. APS:346700 , AUTH ID: 560048. The Department amended the permit to address agreed upon changes to the permit (as listed below), and to address an administrative amendment application for the toluene loading rack (Source ID 609). The following permits have been added to the TVOP amendment: 23-312-188 and 23-312-203. The following RFD's have been submitted to, and finalized by, the Department since the Title V permit was originally issued: 23-A01-784 and 23-A01-747.

This amendment also addresses the following changes:

- Tanks 132 (Tank 242) and 137 (Tank 137) have been created and added to the permit.
- New recordkeeping requirements have been created for sources 040, 045, 046, 060, 075A, 078, 087, 088, 089, and 099 (Boilers and Heaters).
- Source 088 (Boiler 6). Typo corrected for Condition #011.
- Sources 104 and 105. Capacities for the two flares have been added to the permit.
- The typo in the cooling towers (source 111) has been corrected.
- Missing conditions were added for sources 115 (Marine Vessel Loading) and 401 (Benzene Barge Loading) from 40 CFR §§ 63.305(a)(3), (a)(5), and 61.302(f) and (g).
- Source 117 (Cam II Loading Rack). A new source (Source 119) was created and the two gasoline loading racks are now separate sources.
- Source 124 (Tank 169). New conditions were added to the permit.
- Source 171 has been removed from service and from the permit.
- Sources 185 (Tank 597), 205 (Tank 254), and 214 (Tank 615). The conditions for these sources have been clarified.
- Source 221 (Tank 23). New emission limit has been added.
- Source 245 (Tank 245). New conditions were added to the permit.
- Source 340 (Tank 340). This source was added to the permit.
- Source 349 (Tank F-23). Added new conditions from 40 CFR 63, Subpart CC, Group 1, and added to tanks group T001.
- Sources 350 (Tank F3) and 351 (Tank F4). Clarified several conditions for these two tanks.
- Source 401 (Benzene barge loading). Corrected the typos in this source.
- Source 609 (Organic Chemical Production). Added new requirement concerning maximum vapor pressure if 1.5 psia.
- Source 701(Wastewater treatment facility). Added conditions from 40 CFR, Subpart QQQ for the wastewater system.
- Section G. Removed all tanks from the miscellaneous section of the permit and created a source.
- T001. Added conditions pertaining to external floating roof tanks that were converted to internal floating roof tanks.
- T003. Added the following tanks/sources to this tank group: M01, F01, F02, F05, 367, 368, and 460, and source numbers 205, and 213.
- T004. Removed this tanks group from the permit.
- T006. Clarified the allowable seal types for this source group.
- T007. Added conditions pertaining to external floating roof tanks that were converted to internal floating roof tanks.
- T008. Created SOCM I Group 2 and added appropriate tanks.
- Source 214 (Tank 615). Clarified applicable requirements.
- Source 205 (Tank 254). Clarified applicable requirements.
- Source 127. Source removed from service and from permit.
- Source 146 (Tank 344). Clarified tank status.
- The following sources have been added to T001: 147, 148, 150, 155, 156, and 157.
- Sources 160, 161, 163, and 164 have been removed from service and the permit.
- Source 221 (Tank 23). Tank status changed from NSPS Kb to MACT Group 1 (T001).
- Sources 123 (Tank 131) and 130 (Tank 132) were added to the permit.
- Source 121 (tank 139). Tank status changed to MACT Group 1 (T001).
- Source 124 (Tank 169). This tank has an internal floating roof, but is also vented to the vapor recovery unit for the gasoline loading rack. The mapping has been changed, and the tank is now listed in T006.
- Source 368. Clarified that the diesel and gasoline tanks are subject to different requirements.
- Source 170 (Tank 452). Clarified the proper conditions.
- The following tanks have been moved to Source 300: 856, 861, and 863.
- The following storage tanks involved with the lube areas were removed from the facility (2003), and subsequently from this permit: 36, 37, 41, 43, 44, 45, 46, 47, 49, 50, 52, 59, 61, 68, 69, 70, 72, 73, 74, 81, 83, 180, 181, 183, 184, 190, 191, 192, 194, 198, 199, 400, 401, 402, 403, 404, 405, 406, 407, 409, 410, 411, 414, 415, 416, 445, and 448.
- Sources 221 (Tank 23), 172 (Tank 454), 188 (Tank 607), 192 (Tank 611), and 198 (Tank 619) now have a group emission limit, which has been added to the permit.
- Source 349 (Tank F-23): This source is newly added to the permit and is listed under T001.
- The following tanks have been removed from service at the refinery, and have been removed from the permit: 1, 151, 155, 157, 310, 312, 318, 326, 330, 495, 850, 851, and 853.
- Source 300. This source was created to address those previously insignificant tanks that were listed in the miscellaneous

**SECTION G. Miscellaneous.**

section of the permit.

- Source 124 (tank 169). New tank added to the permit.
- Source 218 (tank 166): New conditions were added to the source.

January 2005, APS: 346700, AUTH ID: 577533. The Department amended this permit for cause to address EPA and Department approval of a waiver for the Benzene destruction for Source 115.

November, 2005, APS: 346700, Auth ID: 574790. The Department amended this permit to address the following:

- Incorporate Plan Approval No. PA-23-0001S.
- Source 103 (Benzene Waste NESHAPs) has been added to the permit, and the relative conditions removed from the site level.
- Source 114 has been removed from the permit.
- Corrected typographical errors to sources 101, 800, 801, 802, and 803.
- Added Small NOx Budget regulations from 25 Pa. Code, Chapter 129, to Sources 101 and 113.

April, 2006. APS: 346700, Auth: 619728. The Department amended this permit for cause to address the omission of several sources (623, 624, and 625) that were not carried over from the previously issued permit, creation of a new source (101A) - a pre-heater for the FCCU, and clarification that a group VOC emission limit (from PA-23-0001J) for 17 tanks does not apply as individual limits.

November 2006. APS: 346700, AUTH: 647940. Minor Permit Amendment to incorporate conditions from the federal consent decree (05cv02866) for source 103 to address the installation of double carbon canisters. Sources 087, 088, 089, and 092 have been permanently shut down and have been removed from the permit. Sources 623, 624, and 625 have been removed as they are physically located in the state of Delaware.

Site condition #032, from the previous permit authorization has been deleted upon request by the permittee. An ERC application was submitted, then withdrawn and Sunoco was never eligible for the ERCs noted in this condition. GAE 12-8-2006.

April 2007. APS: 346700, AUTH: 696829. Renewal of the Title V permit. The following changes are note at this time:

- It is noted here that this facility is subject to a waste water discharge permit, number 1OT-03-02.
- 30 Still (Semi Works). The refinery conducts infrequent loading events involving high octane, alkylate product. These events are infrequent and are considered an insignificant emission source.
- The following tanks have been closed in place, though they have not been removed from the facility: 19, 29, 30, 31, 32, 33, 54, 55, 426, 427, 428, 429, 433, 510, 888, and 889.
- Source 619 (17-2A Reformer) has been added to the operating permit.

Janaury 2008. APS: 346700, AUTH: 702946. Administrative amendment to incorporate plan approval 23-0003W, for low sulfur gasoline, into the Title V permit. Sources added to the operating permit were: 705 and 706. A cooling tower (12-4 HDS Plant) from this plan approval was also added to Source 111.

- Additionally, the Department created some milestones for the FCCU (Source 101), as outlined in a letter dated 10-31-2007, from Dave Brown (DEP) to Steve Martini (Sunoco).

November 2008. APS: 346700, AUTH: 696829. Administrative Amendment and permit renewal.

The facility has no sources subject to CAM. All possibly affected sources at the facility have been exempted from CAM as allowed under 40 CFR § 64.2(b).

- This renewal addresses an administrative amendment to incorporate plan approval, 23-0001X (for the FCCU and propane/propylene splitter) and the installation of an anhydrous ammonia injection system.
- The renewal/amendment corrected numerous typographical errors and clarifications to the tank capacities and throughputs, as well as changes made to Source 111 (Cooling Towers).
- Inclusion of the applicable parts of 40 CFR 63, Subpart GGGGG (Site Remediation MACT), is addressed in Section C of the permit.
- Changes to the conditions in Sources 117, and 119 (Loading Racks).
- Source 500 (Middle Creek Conveyence) has been removed from the operating permit and its conditions have been moved to source 701 (Wastewater Treatment System).
- Created Source, Number 619 (17-2A reformer), subject to 40 CFR 63, Subpart UUU.
- Source 101, FCCU. Removed a NOx emission limit of 0.0149 lbs NOx/barrel of crude oil. This limit was designed for refinery operation with one CO Boiler. After the second CO Boiler was installed, the limit became irrelevant as the flow from the FCCU to the CO Boilers cannot be directed to specific units.
- New federal regulation, 40 CFR 63, Subpart UUU - applies to Sources 101 and 619.
- Netting analysis that was erroneously carried through from plan approval 23-001K as an emission limit has been removed.

**SECTION G. Miscellaneous.**

- Reduction in a group VOC emission limit from plan approval 23-0001J. Some tanks were previously removed from the TVOP, but the emission limit did not reflect this change.
- Various CEMs conditions through out the operating permit changed to address new Central Office Guidance.
- Changed the semi-annual deviation and compliance certification reporting criteria.
- Removed an old ERC condition from Source 701 because it does not represent an accurate ERC picture.

August 2009, APS 346700: AUTH: 786098. Two separate Department actions under one Administrative Amendment that addresses the following:

- incorporation of Plan Approval, Number 23-0001Z. The new sources are numbered 031, 032, 033, and 034. These boilers are exempted from CAM for NOx due to the use of CEMs for this air contaminant; and
- aggregated the cyclohexane and benzene throughput limitations and emission limit for source 609 to allow for operational flexibility in the production of these two chemicals.

May 2010. APS: 346700, Auth 814674. Minor Operating Permit Modification to address the following:

- Incorporation of applicable requirements from consent decree (5CV-02866) dealing with the NSPS, Subpart J regulation and the Alternative Monitoring Plan (AMP) for two flares (Sources 104 and 105).
- Changes to VOC emission limits due to heated storage tanks above ambient temperatures for the following source numbers: 172, 188, 192, 198, 221, 173, 193, 194, 203, 204, 205, 206, 212, 213, 214, 215, 223, 224, 225, 190, 197, 216, and 217.
- Clarification to the conditions pertaining to Department Certified CEMS (Sources 031, 032, 033, 034, 045, 060, 099, 101, 101A, 705, 706, and the Fuel Gas Mix Drum). These now refer to conditions located in Section C of the permit.
- Addition of two plant areas (10 and 12 plants) that were missing from the list of affected sources for the MACT LDAR requirements in Source 802.
- Address a change in federal regulations for Source 802. In the October 28, 2009 Federal Register (beginning on 74 FR 55656), it is noted that 40 CFR §§ 63.654 and 655 have been redesignated as 40 CFR §§ 63.655 and 656, respectively.

March 2011. APS: 346700, AUTH: 869507. Administrative amendment to incorporate plan approval, number 23-0001AA into the TVOP. One cooling tower (12-3 Plant) was replaced with a same size/capacity cooling tower. This cooling tower, along with the others in this source (exceptions noted), is subject to the heat exchanger regulations found in 40 CFR 63, Subpart CC, when they become effective on October 28, 2012.

July 2012. APS: 346700, AUTH: 934938. Administrative amendment to address a single source determination for Sunoco's Marcus Hook and Philadelphia refineries.

August 2012. APS: 346700, AUTH: 938378. Administrative amendment to remove permitted sources from the TVOP and to memorialize the creation of ERCs as follows:

NOx - 406.60 tons
 SO2 - 128.78 tons
 VOC - 35.19 tons
 CO - 564.71 tons
 PM10 - 346.27 tons
 PM2.5 - 346.27 tons

- Additionally, the Department has quantified the following actual emission from the Sunoco, Marcus Hook Refinery:
 GHGs (CO2e) - 1,277,804.60 tons
 Sulfuric Acid Mist ("SO3") as that term is used in the consent decree - 56.07 tons

- The above ERCs were generated from the permanent shutdown of the following sources: Source 040 (10-4 Feed Heater), Source 045 (12-3 Desulphurization Heater), Source 060 (15-1 Crude Heater), Source 075 (17-2A H-01, H-02, H-03 Heater), Source 078 (17-2A H-04 Heater), Source 099 (12-3 Crude Heater H-3006), Sources 101 and 101a (10-4 FCC Unit) and including CO Boilers (COB1 and COB3), Source 111 (Cooling towers), Source 705 (LSG HDS Heater), and Source 706 (LSG Stabilizer Heater). These sources shall not be started up without first obtaining a plan approval from the Department.
- Removal of source group conditions pertaining to the group NOx, SO2, and PM emission limits for three combustion turbines (owned and operated by Next Era, formerly FPL), four (4) auxiliary boilers, FCCU catalyst regenerator (Part of Source 101), CO Boilers COB1 and COB3, and the combustion turbine, MH50 (owned and operated by Next Era, formerly FPL).
- Creation of a new source (number 139) for the cooling towers which will remain in operation at this site.
- Clarification to the grab sample condition for the four (4) boilers that sampling and analysis only need to be performed when operating on RFG and/or RFG and natural gas.
- Removal of two (2) cooling towers (15-2S and 15-2Poly) that have been sold to Braskem America Inc., permit number 23-00012.

June 2013. APS: 346700, AUTH: 979365. Permit amendment to address the disaggregation of this former Sunoco Marcus Hook

**SECTION G. Miscellaneous.**

refinery and the former Sunoco Philadelphia Refinery (now Philadelphia Energy Solutions) as it pertains to NSR and PSD applicability.

- Additional changes include removal of several conditions that were overlooked at the last amendment when numerous sources were permanently shutdown.
- Removal of Source 619 (17-2A reformer) that was shutdown and the ERCs were generated in the August 2012 amendment, but was not removed from the TVOP.
- Change of SIC from 2911 to 4226.
- It is noted that the 12-3 crude vac heater H-301 was permanently shut down in March 2002. The Department verified that it was decommissioned during its December 2003 inspection.

February 2014. APS: 346700, Auth: 978314. Renewal TVOP. Many of the sub-facilities physically located at this facility have been sold to Sunoco Logistics (TVOP permit number 23-00119) in April 2013 and those sub-facilities have been moved into the SXL permit.

- It is noted that Tank 254 (Source number 205) has been changed from fixed roof tank to an internal floating roof tank. This took place via general permit number GP2-23-0120, which the Department issued in December 2008, but was never noted as amended into the TVOP.
- Source 708 (Remediation Systems) has been removed as the facility is operating under a RCRA permit governing this activity.
- Numerous federal regulations found in 40 CFR 60, 61, and 63 no longer apply as the facility is no longer considered a petroleum refinery. These are described in the review memo.
- GP2-23-0230 was issued on 6-17-2015 as a new plan approval for an existing storage tank (source number 246) that was not addressed during the systematic shutdown of sources and did not have a valid deactivation and maintenance plan.

March 2019. APS: 981823, Auth: 1253423. Permit Renewal. No new sources and no new applicable regulations pertain to this facility as this time.

The following changes to the operating permit have been made at this renewal:

- Change of facility name and plant;
- NAICS code changed to 324110;
- Mailing address changed;
- Incorporation of GP2-23-0230 for Source 206 (Tank 269);
- Removal of conditions pertaining to Department certified continuous emission monitors (CEMS);
- Removal of references to flares as there are no flares associated with this facility;
- Removed Tank 882 from Source 300 as it has been removed from the facility.



***** End of Report *****

